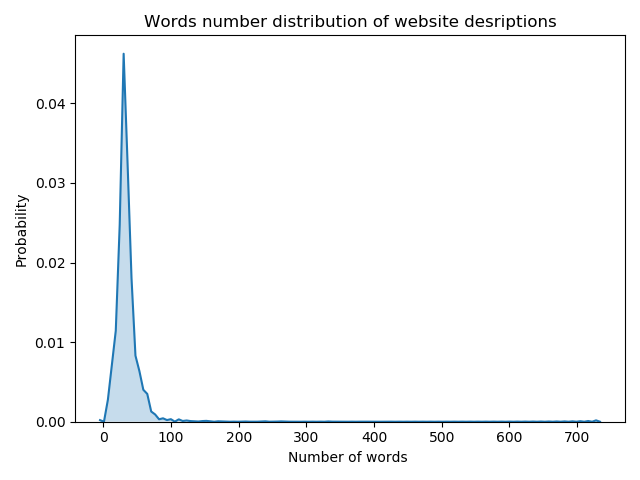
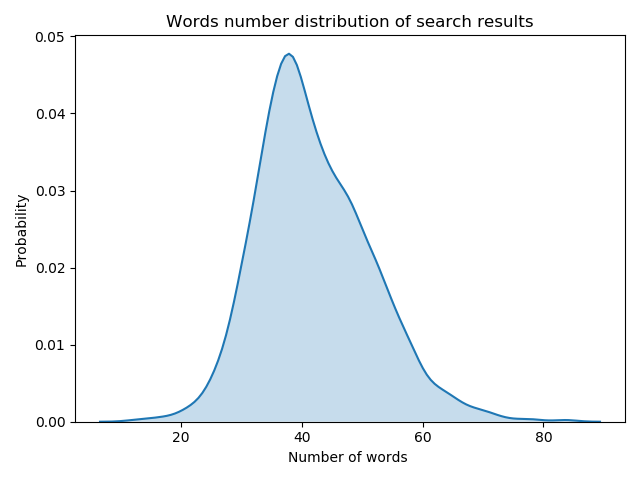
# 实验

## 数据描述

共有4078组数据，每组数据包含一个搜索结果、一个网站描述，下两图是搜索结果和网站描述的字数分布。



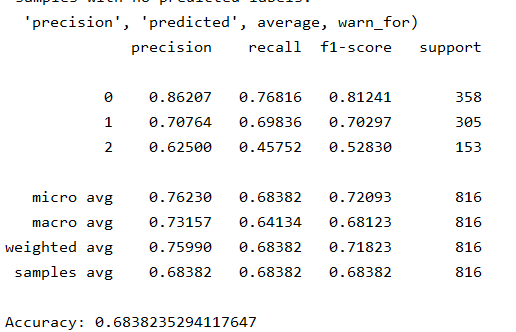


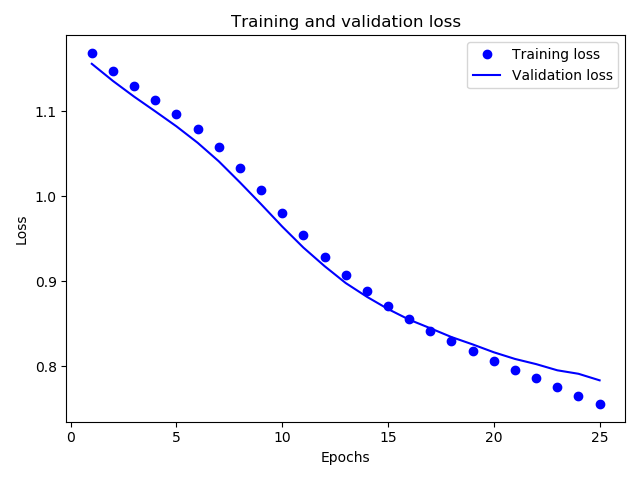
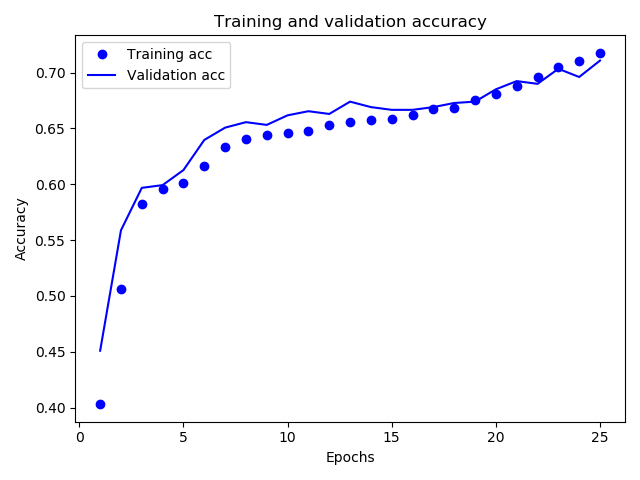
## 多模态模型实验

以下的实验都是三分类的实验，就是把搜索结果分为零售商、生产商、其他。

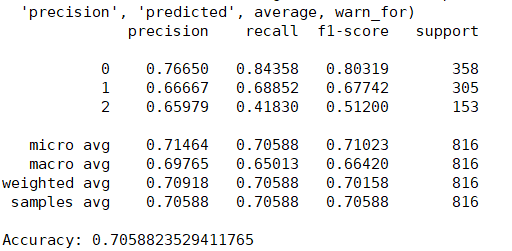
### No Cycle模型

#### Hiden state=32

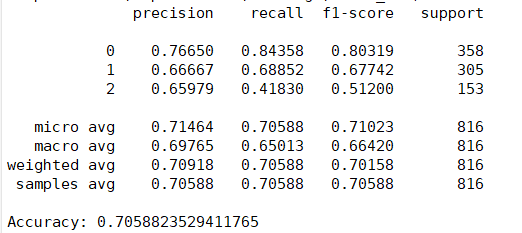


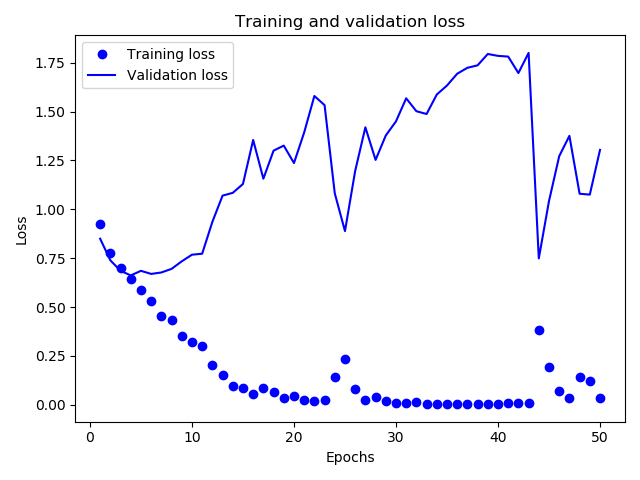
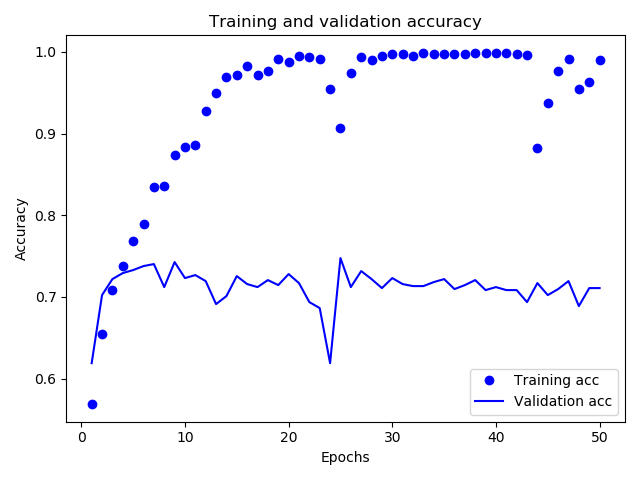


Hidden state=256

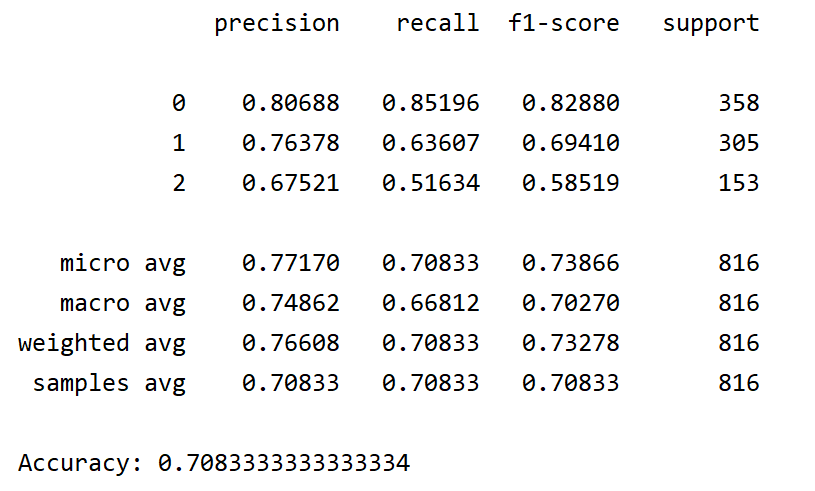


#### Hidden state=256

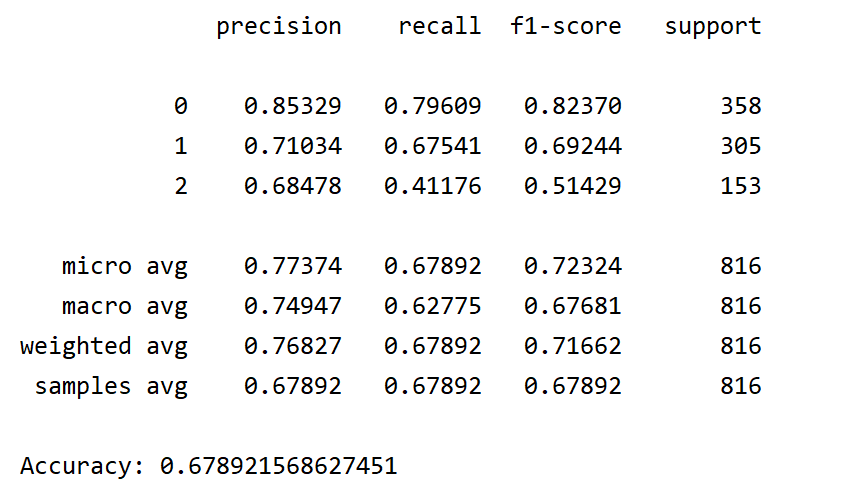




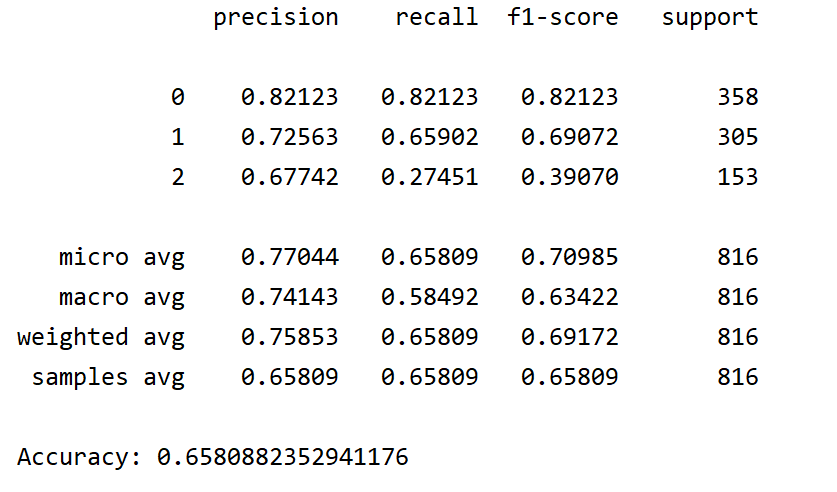
Regression 512，S2S 512，权重0.1：1

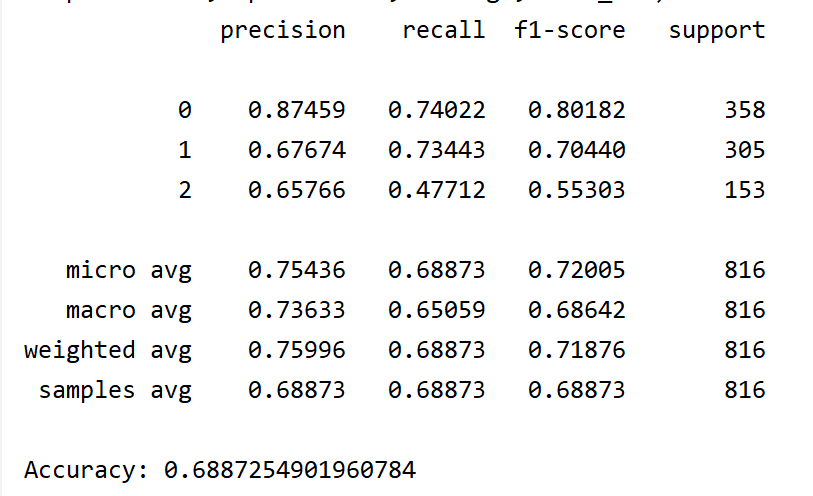


Regression 512，S2S 512，权重seq2seq0.1:10

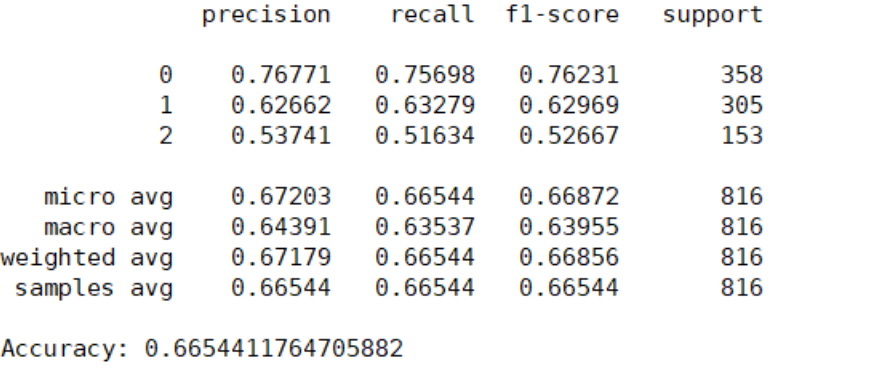


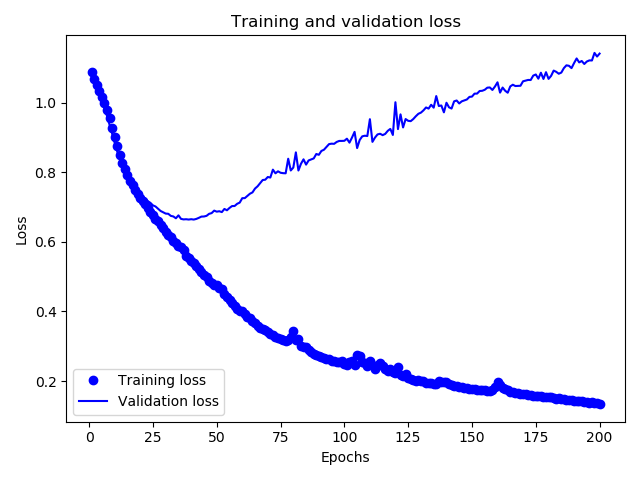
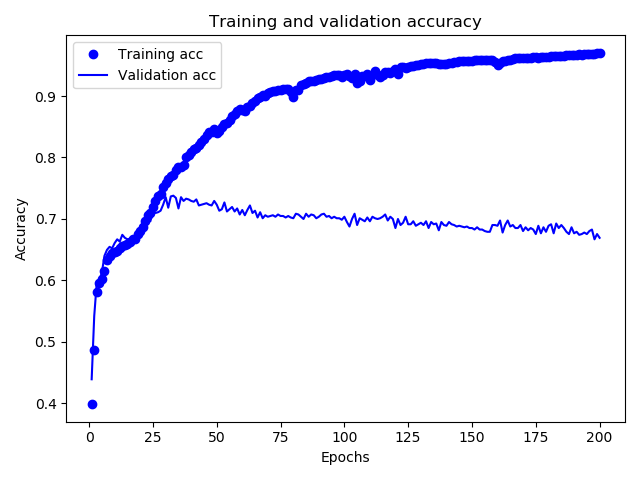
Regression 512，S2S 512，权重seq2seq10:0.1





### cycle模型

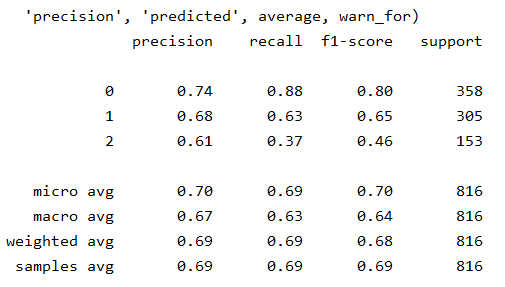


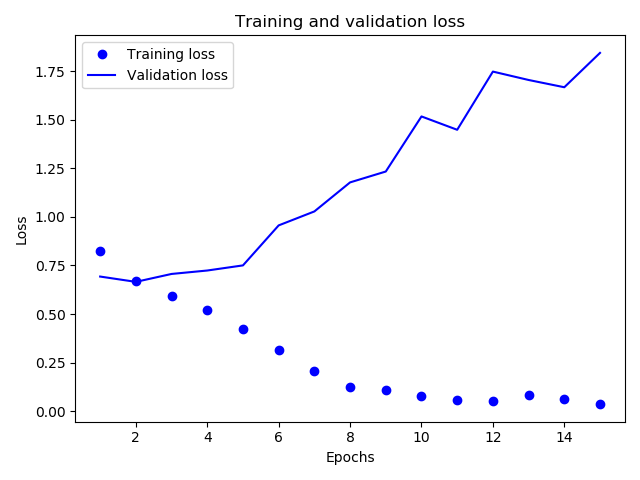
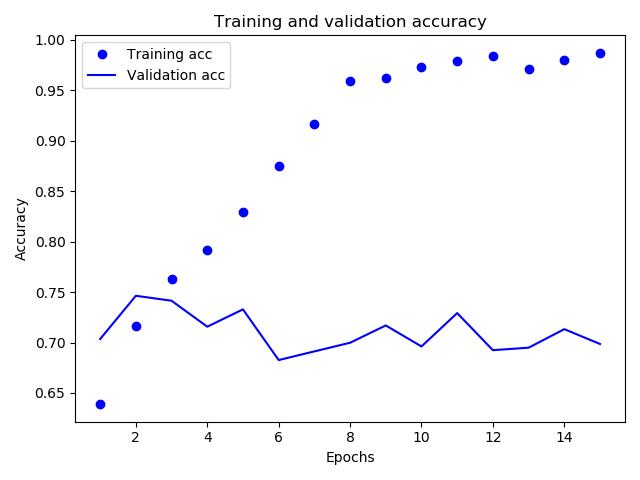


## BERT-BiLSTM模型实验

以下的实验都是三分类的实验，就是把搜索结果分为零售商、生产商、其他。

### 只用搜索结果分类

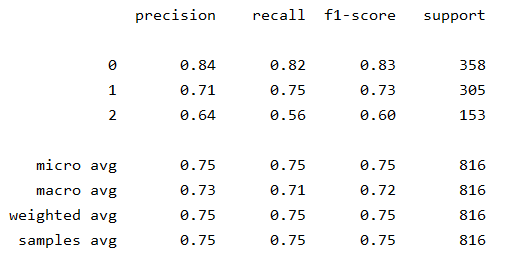


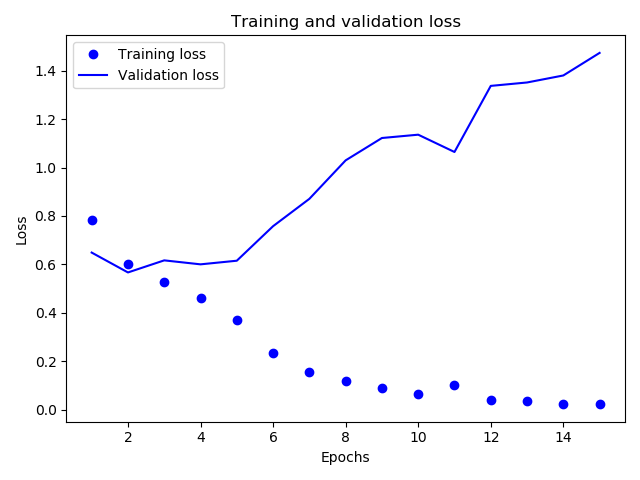
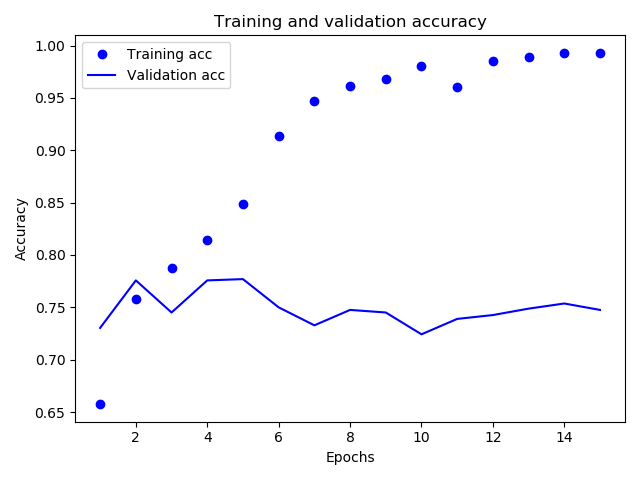


### 用搜索结果和网站描述进行分类

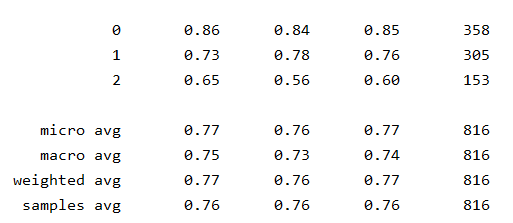
就是直接将搜索结果与网站描述的向量拼接起来输入模型

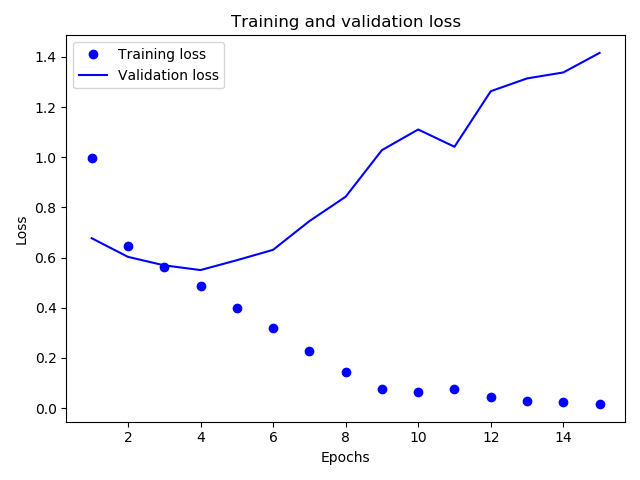
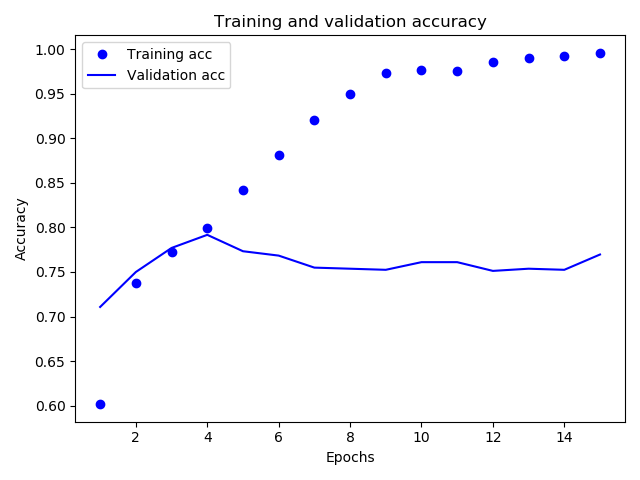
#### Batch size=32



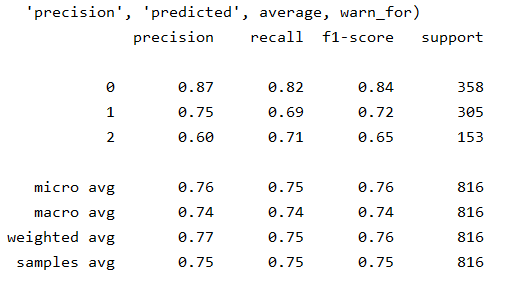


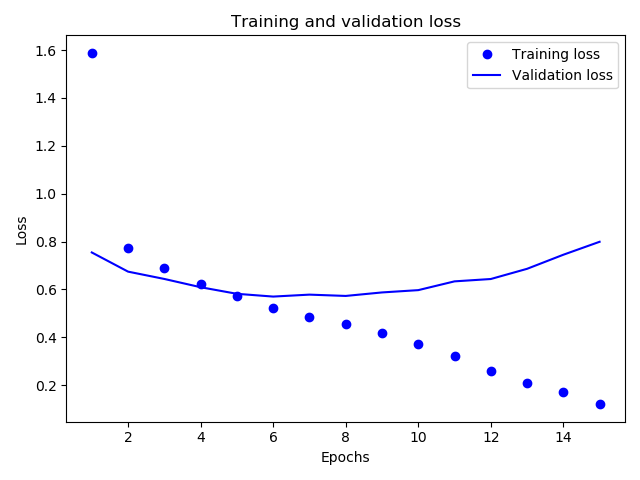
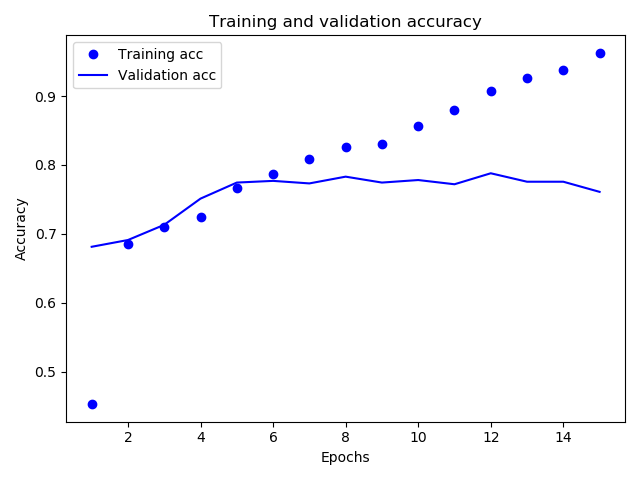
#### Batch size =256





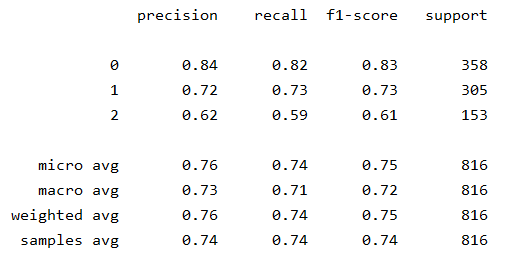
#### Batch size=512

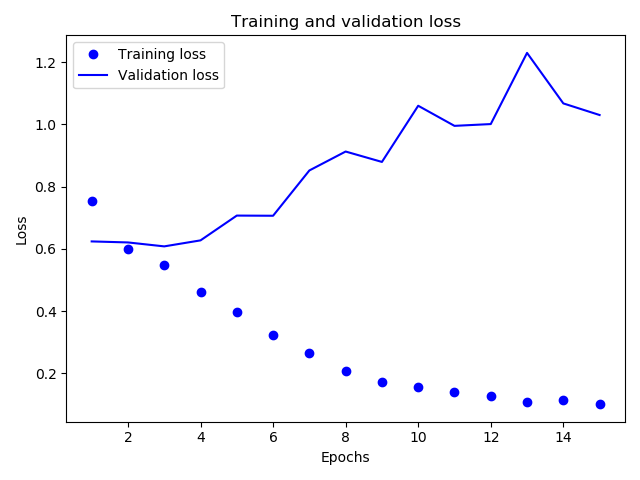
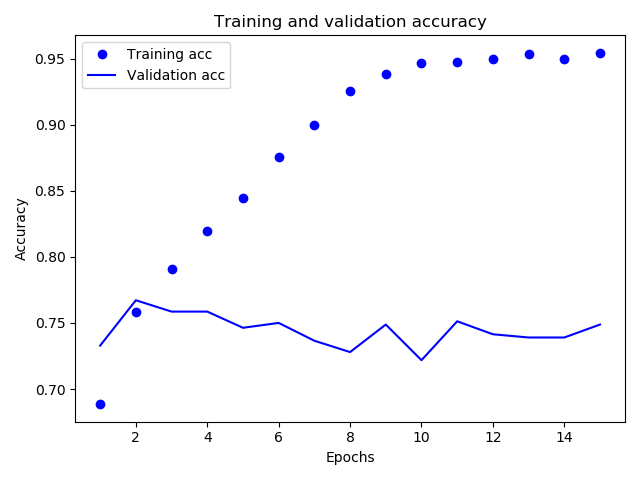




### 只用网站描述进行分类

Batch size 32





### 用描述和搜索结果训练，但只用搜索结果预测

Batch size=256 去最好结果

